

Listing of the Claims:

The following is a complete listing of all the claims in the application, with an indication of the status of each:

1. (Canceled)

2 (Currently Amended). A method of converting code which converts first
codes based on a first system to second codes based on a second system,
comprising:
 obtaining current data of first linear prediction coefficients and first
 excitation signal from said first codes, if said first codes are available;
 ~~obtaining data of first excitation signal from said first codes;~~
 ~~storing said data of first linear prediction coefficients;~~
 ~~storing said data of first excitation signal;~~
 calculating current data of said first linear prediction coefficients by
 calculating from past data of said first linear prediction coefficients ~~which are~~
 ~~stored~~ obtained in the past, if said first codes are unavailable;
 calculating current data of said first excitation signal by calculating
 from past data of said first excitation signal ~~which are stored~~ obtained in the
 past, if said first codes are unavailable;
 ~~obtaining data of second linear prediction coefficients from said data~~
 ~~of first linear prediction coefficients; and~~
 obtaining ~~data of second excitation signal from said data of first~~
 ~~excitation signal;~~ said second codes from said current data of said first linear
 prediction coefficients and said first excitation signal
 ~~wherein when said first codes are unavailable, said second codes are~~
 ~~obtained by directly using speech parameters which are ever decoded in~~
 ~~accordance with said first system and are stored.~~

1 3 (Previously Presented). The method of converting code according to claim 2,
2 further comprising:
3 generating a first speech signal by driving a filter having any of first
4 linear prediction coefficients derived from said current data of first linear
5 prediction coefficients and second linear prediction coefficients derived from
6 said data of second linear prediction coefficients by using a first excitation
7 signal derived from said current data of first excitation signal; and
8 obtaining data of second excitation signal from said first speech signal
9 and any of said first linear prediction coefficients and said second linear
10 prediction coefficients.

1 4 (Previously Presented). The method of converting code according to claim 2,
2 wherein said data of excitation signal includes any of an adaptive
3 codebook data, a fixed codebook data and a gain data.

5. (Cancelled)

1 6 (Currently Amended). A code conversion apparatus, which converts first
2 codes based on a first system to second codes based on a second system,
3 comprising:
4 a linear prediction coefficients data decoding circuit configured to
5 obtain data of first linear prediction coefficients from said first codes, if said
6 first codes are available;
7 an excitation signal data decoding circuit configured to obtain data of
8 first excitation signal from said first codes, if said first codes are available;
9 a linear prediction coefficients data storage circuit configured to store
10 said data of first linear prediction coefficients;
11 an excitation signal data storage circuit configured to store said data of
12 first excitation signal;
13 a linear prediction coefficients data calculating circuit configured to

14 calculate current data of first linear prediction coefficients from past data of
15 first linear prediction coefficients which are stored, if said first codes are
16 unavailable;

17 an excitation signal data calculating circuit configured to calculate
18 current data of first excitation signal from past data of first excitation signal
19 which are stored, if said first codes are unavailable;

20 a linear prediction coefficients data encoding circuit configured to
21 obtain data of second linear prediction coefficients from said current data of
22 first linear prediction coefficients; and

23 an excitation signal data generating circuit configured to obtain data of
24 second excitation signal from said current data of first excitation signal;

25 ~~wherein when said first codes are unavailable, said second codes are~~
26 ~~obtained by directly using speech parameters which are ever decoded in~~
27 ~~accordance with said first system and are stored.~~

1 7 (Previously Presented). The code conversion apparatus according to claim 6,
2 further comprising:

3 a partial decoding circuit configured to generate a first speech signal by
4 driving a filter having any of first linear prediction coefficients derived from
5 said current data of first linear prediction coefficients and second linear
6 prediction coefficients derived from said data of second linear prediction
7 coefficients by using a first excitation signal derived from said current data of
8 first excitation signal; and

9 an excitation signal data generating circuit configured to obtain data of
10 second excitation signal from said first speech signal and any of said first
11 linear prediction coefficients and said second linear prediction coefficients.

1 8 (Previously Presented). The code conversion apparatus according to claim 6,
2 wherein said data of excitation signal includes any of an adaptive
3 codebook data, a fixed codebook data and a gain data.

9. (Cancelled)

1 10 (Currently Amended). A computer program product embodied on a
2 computer-readable medium and comprising code that, when executed, causes
3 a computer to perform processes, said computer serving as a code conversion
4 apparatus which converts first codes based on a first system to second codes
5 based on a second system,
6 said processes comprising:
7 a process of obtaining current data of first linear prediction coefficients
8 and first excitation signal from said first codes, if said first codes are available;
9 ~~a process of obtaining data of first excitation signal from said first~~
10 ~~codes;~~
11 ~~a process of storing said data of first linear prediction coefficients;~~
12 ~~a process of storing said data of first excitation signal;~~
13 a process of calculating current data of first linear prediction
14 coefficients by calculating from past data of first linear prediction coefficients
15 ~~which are stored~~ obtained in the past, if said first codes are unavailable;
16 a process of calculating current data of first excitation signal by
17 calculating from past data of first excitation signal ~~which are stored~~ obtained
18 in the past, if said first codes are unavailable;
19 ~~a process of obtaining data of second linear prediction coefficients~~
20 ~~from said current data of first linear prediction coefficients; and~~
21 a process of obtaining ~~data of second excitation signal from said~~
22 ~~current data of first excitation signal;~~ second codes from said current data of
23 said first linear prediction coefficients and said first excitation signal
24 ~~wherein when said first codes are unavailable, said second codes are~~
25 ~~obtained by directly using speech parameters which are ever decoded in~~
26 ~~accordance with said first system and are stored.~~

1 11 (Currently Amended). The computer program product according to claim
2 10,

3 wherein said processes further ~~comprising~~ comprise:
4 a process of generating a first speech signal by driving a filter having
5 any of first linear prediction coefficients derived from said current data of first
6 linear prediction coefficients and second linear prediction coefficients derived
7 from said data of second linear prediction coefficients by using a first
8 excitation signal derived from said current data of first excitation signal; and
9 a process of obtaining data of second excitation signal from said first
10 speech signal and any of said first linear prediction coefficients and said
11 second linear prediction coefficients.

1 12 (Previously Presented). The computer program product according to claim
2 10,

3 wherein said data of excitation signal includes any of an adaptive
4 codebook data, a fixed codebook data and a gain data.

13. (Cancelled)

1 14 (Previously Presented). The method of converting code according to claim
2 3,

3 wherein the data of excitation signal includes any of an adaptive
4 codebook data, a fixed codebook data and a gain data.

1 15 (Previously Presented). The code conversion apparatus according to claim
2 7,

3 wherein said data of excitation signal includes any of an adaptive
4 codebook data, a fixed codebook data and a gain data.

1 16 (Previously Presented). The computer program product according to claim
2 11,
3 wherein said data of excitation signal includes any of an adaptive
4 codebook data, a fixed codebook data and a gain data.